

Commonwealth of Kentucky
Division for Air Quality
EXECUTIVE SUMMARY

FINAL

Draft Conditional Major / Synthetic Minor, Construction / Operating

Permit: F-07-002

Baillie Lumber Company

Leitchfield, KY 42754

February 30, 2007

Massoud Kayvanjah, Reviewer

SOURCE ID: 21-085-00026

SOURCE A.I. #: 1554

ACTIVITY ID: APE20060001

SOURCE DESCRIPTION:

The application of Baillie Lumber for a revision of their existing minor source State Origin Permit (S-02-097) for the addition of a 28.1 indirect heat exchanger was received on September 22, 2006, September 27, and December 5, 2005 respectively. The source requested limits on the hours of operation for the boilers, the reason being that the source wide potential emissions of regulated air pollutants exceeded the major source threshold. Specifically, the 10 MMBtu/hr natural gas boiler (EP-01) shall be operated not more than 336 hours annually, the 28.7 MMBtu/hr wood fired boiler (EP-04) shall be operate not more than 6000 hours, and the new 28.1 MMBtu/hr wood fired boiler (EP-05) operated not more than 8436 hours. However, based on the emissions calculations evaluation, the Division has determined that the 401 KAR 52:020 -Title V requirements will still apply to the significant revision. Conversely, the sources actual emissions of regulated air pollutants including the new construction are greater than fifty percent of the major source threshold. Therefore, the Division has determined that to preclude the applicability of 401 KAR 52:020, the facility shall be permitted under 401 KAR 52:030 and emissions of any regulated shall not exceed 90 tons per any consecutive twelve months. Emissions were calculated based on current AP 42 emission factors for the existing units and vendor guarantees on nitrogen oxides and carbon monoxide for the new boiler, which were submitted by the permittee to the Division. The facility also operate a Lumber trimming mill, including one 26000 bd ft/hr trimmer, one 5000 bd ft/hr planner, one 1500 bd ft/hr gang saw, and one 2.5 tons/hr wood dog, controlled by a baghouse which are is not limited on hours of operation. Additional information used in making this review was obtained from file record

PUBLIC, EPA, AND AFFECTED STATE REVIEW:

On February 25, 2007, the public notice on availability of the draft permit and supporting material for comments by persons affected by the plant was published in *The Record Leitchfield, KY 42754*. In addition, notification of the issuance of the draft permit was sent to the U.S. EPA on January 11, 2007 via e-mail. No states are affected by this permit action. The public comment period expired 30 days from the date of publication. No comments were received during this period. The permit is now being issued final.